

Tessellation 8 (B)

Suite: Tessellation Party!

by Arya Akhavan (October 2012)

Angles for R.I. = 1.540

73 + 15 girdles = 88 facets

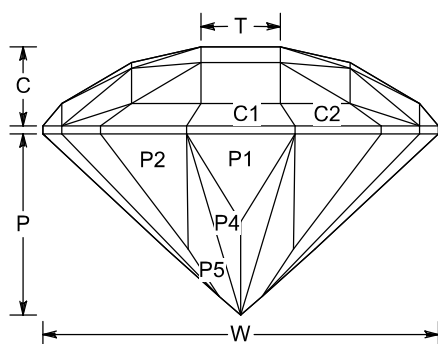
3-fold, mirror-image symmetry

96 index

L/W = 1.020 T/W = 0.200 U/W = 0.173

P/W = 0.457 C/W = 0.200

Vol./W³ = 0.231



PAVILION

P1	43.08°	96-32-64	Cut to centerpoint.
P2	42.97°	08-24-40-56-72-88	Meet at culet.
P3	42.27°	13-19-45-51-77-83	Meet at culet.
G1	90.00°	96-32-64	Set stone size.
G2	90.00°	08-24-40-56-72-88	Level girdle.
G3	90.00°	13-19-45-51-77-83	Level girdle.
P4	42.08°	01-31-33-63-65-95	Meet P1, P2, G1, G2
P5	42.00°	07-25-39-57-71-89	Meet P1, P2, G1, G2, P4

CROWN

C1	59.06°	96-32-64	Set girdle width.
C2	49.58°	08-24-40-56-72-88	Level girdle.
C3	40.55°	13-19-45-51-77-83	Level girdle.
C4	35.70°	14-18-46-50-78-82	Meet G3, C3
C5	28.88°	10-22-42-54-74-86	Meet C2, C3, C4
C6	30.47°	08-24-40-56-72-88	Meet C2, C3, C4, C5
C7	27.00°	96-32-64	Meet C1, C2, C6
C8	15.58°	12-20-44-52-76-84	Meet C4, C5
C9	11.15°	96-32-64	Meet C5, C6, C7, C8
T	0.00°	Table	Meet C8, C9

This particular variant of the "B" series of tessellations is very straightforward to cut, with very few codependent meets, and a nice, simple pavilion. It somehow has very high light return, and an interesting reflection pattern to boot! Can be cut in any material from quartz to rutile (RI = 1.54 - 2.62) with no changes, and should look particularly good in dispersive materials like Mali garnets or CZ.

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